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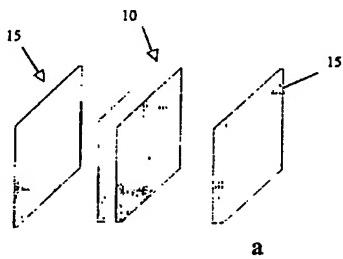
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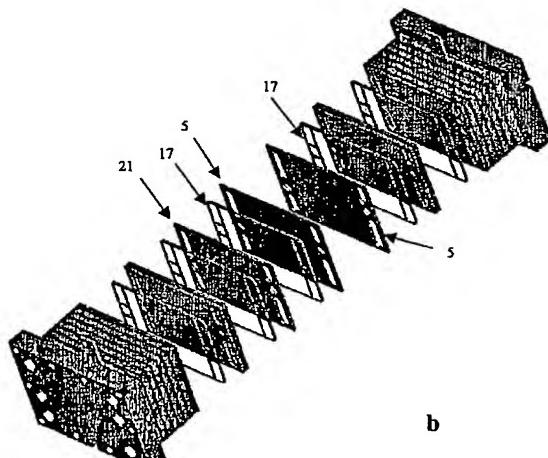
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(54) Title: PROCESS FOR SEALING PLATES IN AN ELECTROCHEMICAL CELL



(57) Abstract: There is provided a process for sealing a coolant plate to an adjacent bi-polar plate or coolant plate in an electrochemical cell. The first coolant plate comprises at least one mating region for mating with a complementary region on the adjacent plate, the adjacent plate is a second coolant plate or a bipolar plate of the electrochemical cell, and the first coolant plate and the adjacent plate each comprise a polymer and conductive filler. The process comprises the step of welding the mating region to the complementary region to create a seal formed by the polymer at the mating region and the complementary region. Welding may be done using resistance welding or vibration welding processes.



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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/000640 A1 (MERCURI ROBERT ANGELO) 2 January 2003 (2003-01-02) paragraphs '0036!, '0067!, '0077! - '0079! ----- WO 02/091506 A (THE MORGAN CRUCIBLE COMPANY PLC; TURPIN, MARK, CHRISTOPHER; BOFF, JAME) 14 November 2002 (2002-11-14) cited in the application page 4, line 4 - line 9 page 4, line 22 - page 5, line 30 page 7, line 25 - page 8, line 13 claims 4,10,11 ----- -/-	1-26
X		1-15, 18-26

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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